3Com® OfficeConnect® Switches

DATA SHEET

- 10/100 and 10/100/1000 autosensing capability on all switch ports automatically detects the speed of the attached device to optimize network performance
- Plug-and-play convenience, the switches work right out of the box with no configuration or management necessary
- IEEE 802.1p traffic prioritization on Plus and Gigabit switches ensures that time-sensitive audio and video network applications take priority so they can run effectively
- Auto MDI/MDIX on all ports on Plus and Gigabit models simplify network expansion by eliminating most common cabling errors

Key Benefits

High-Speed Connectivity
Different switches to meet a variety of connection requirements, from Gigabit only offerings future-proofed for the most bandwidth-intensive applications, to 10/100 switches for general office needs.

Easy to Install and Maintain
Plug-and-play simplicity with no configuration needed, while supporting advance features such as traffic prioritization and Auto MDI/MDIX on every port. Front panel diagnostic LEDs provide easy at-a-glance network status information.

Award Winning Quality
Designed to the highest standards of quality and reliability, OfficeConnect switches are supported by a 3 Year Hardware Warranty.

Compact Design and Silent Operation
Saves valuable office space with a compact, clipable design while silent operation ensures no disturbance due to noisy fans.

Part of Complete Solution
Build a complete networking solution with the OfficeConnect Family, designed to meet all your needs including wireless, security and encryption products.

OfficeConnect switches are designed specifically for small offices that require high network performance to exchange large data files and images, and access real-time information.

The OfficeConnect Switch family offers connections at 1000BASE-T, 100BASE-TX or 10BASE-T, with an effective throughput of up to 3.2Gbps, making them ideal for connecting to high-speed servers, for high-speed data links into the core of the network, or for connecting to multiple switches or hubs in small offices.

The OfficeConnect Switch family offers a highly flexible migration path for businesses upgrading to faster network connections.

Models include switches with 5, 8 and 16 10/100 ports, as well as an 8 port 10/100 switch with an integrated gigabit port, and 5 or 8 port gigabit switches.

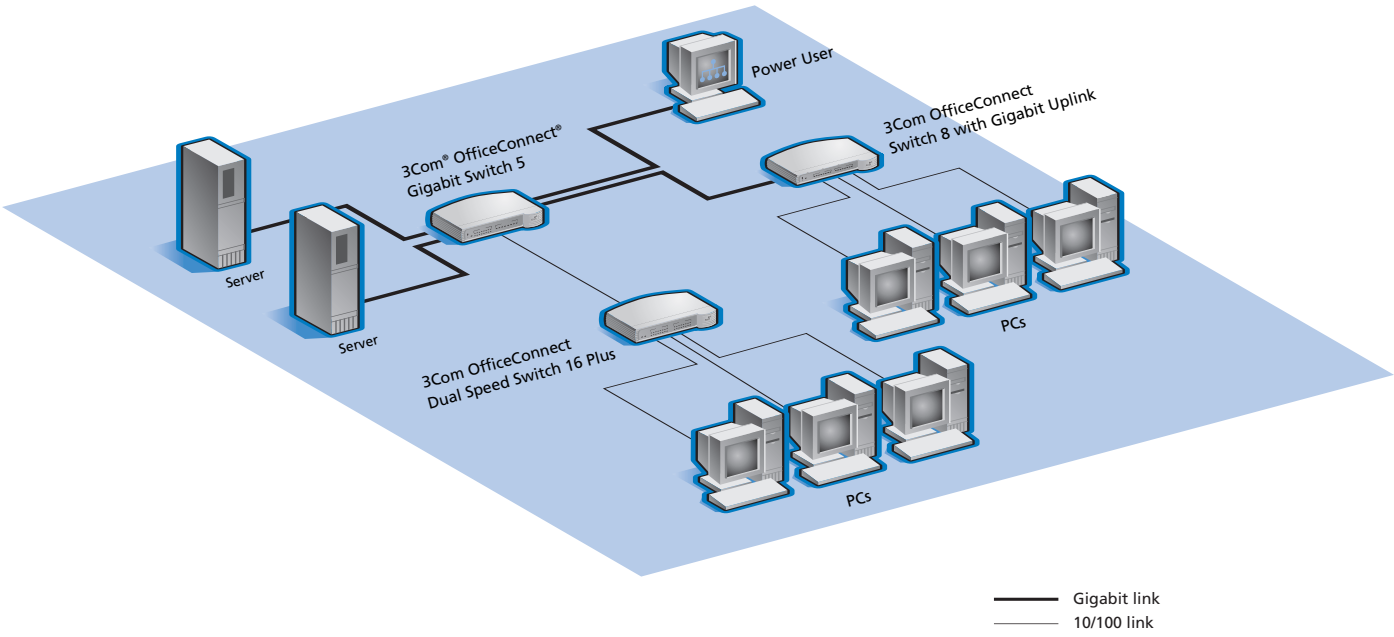
The "Plus" switches offer advanced features such as traffic prioritization and Auto MDI/MDIX on every port to increase to ease-of-use of the switches and allow more advanced real-time applications such as voice and video to be run over the network.

For the most cost-conscious, the Switch 5 and Switch 8 offer high-quality, reliable networking at an even more affordable price.

3Com OfficeConnect Switches at a glance

PRODUCT DESCRIPTION	10/100 ports	10/100/1000 ports	Buffer memory	LED indicators	Priority queuing	Number of queues	No. MAC addresses	MDI/MDIX	Silent (no fan)	FCC Class B	External power supply	Stacking clip included?	3 Year Hardware Warranty
3Com OfficeConnect Switch 8 with Gigabit Uplink	8	1	2Mb	✓	✓	2	4K	Auto	✓	✓	11W	✓	✓
3Com OfficeConnect Gigabit Switch 5	–	5	1Mb	✓	✓	2	4K	Auto	✓	✓	11W	✓	✓
3Com OfficeConnect Gigabit Switch 8	–	8	1Mb	✓	✓	2	4K	Auto	✓	✓	16W	✓	✓
3Com OfficeConnect Dual Speed Switch 5 Plus	5	–	512Kb	✓	✓	2	2K	Auto	✓	✓	11W	✓	✓
3Com OfficeConnect Dual Speed Switch 8 Plus	8	–	512Kb	✓	✓	2	2K	Auto	✓	✓	11W	✓	✓
3Com OfficeConnect Dual Speed Switch 16 Plus	16	–	1Mb	✓	✓	2	2K	Auto	✓	✓	11W	✓	✓
3Com OfficeConnect Switch 5	5	–	512Kb	✓	–	–	2K	Manual	✓	✓	11W		✓
3Com OfficeConnect Switch 8	8	–	512Kb	✓	–	–	2K	Manual	✓	✓	11W		✓

Network Diagram



Features and Benefits

ALL OFFICECONNECT SWITCHES	
Wirespeed, 10/100 connectivity	Allows users to connect at 100Mbps or 10Mbps, ensuring optimum throughput whilst ensuring compatibility with legacy equipment
Full duplex support of your network	Allow full, two-way data transfer, doubling the effective bandwidth
Silent operation	With no fan, OfficeConnect switches ensure no disturbance to the workplace
Operating System independent	To allow maximum integration of different operating systems within your network, with no extra configuration of the network required
FCC Class B certified	All OfficeConnect switches are certified for home as well as office use. This is a more stringent certification than Class A.
3 Year Hardware Warranty	Provides complete peace of mind
GIGABIT SWITCHES	
High Speed Gigabit Connectivity	Support for the most bandwidth intensive applications, and to allow high-speed connections to servers and the rest of your network
Traffic Prioritization	Ensures that real-time applications (such as voice and video) take priority so they can run effectively, even during bursts of high traffic load
Auto MDI/MDIX on every port	Eliminates most common cabling problems, whether the port is connected to a server, PC, or another switch or hub
PLUS SWITCHES	
Traffic Prioritization	Ensures that real-time applications (such as voice and video) take priority so they can run effectively, even during bursts of high traffic load
Auto MDI/MDIX on every port	Eliminates most common cabling problems, whether the port is connected to a server, PC, or another switch or hub

OfficeConnect LED Indicators

Alert LED

(Orange) Alerts you to excessive network use or an isolated (partitioned) 10BASE-T and 100BASE-TX port.

Power LED

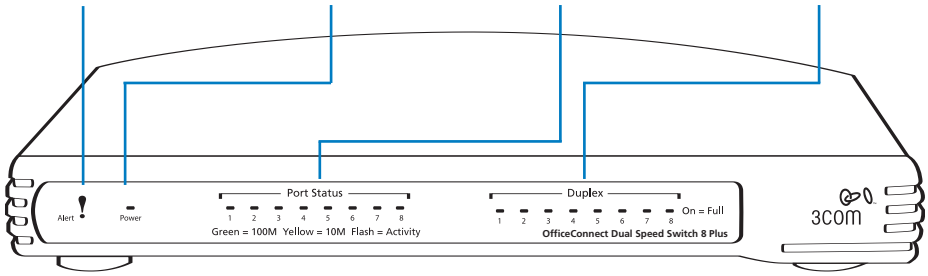
(Green) Indicates that the power supply to the unit is present.

Port Status LEDs

(Green/Yellow) Indicate the status of each port. If green, there is a link present at 100 Mbps. If yellow, there is a link present at 10 Mbps. If the LED is off, nothing is connected. Flashing of an LED indicates activity over that link.

Duplex Indicator

(Orange) If the LED is orange, the link is running at full duplex. If the LED is off but there is a link on that port, that link is running at half duplex.


Alert
Power
Port Status
1 2 3 4 5 6 7 8
Green = 100M Yellow = 10M Flash = Activity
Duplex
1 2 3 4 5 6 7 8
On = Full
OfficeConnect Dual Speed Switch 8 Plus
3com

As this front view of the OfficeConnect Dual Speed Switch 8 Plus illustrates, OfficeConnect units offer a variety of LED indicators. For instance, the Alert LED available on 'Plus' switches. This gives users immediate notification of problems, such as excessive network use, without requiring special technical knowledge.

Specifications

Common Family Characteristics

EMC:
EN55022, Class B, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class B, ICES-003 Class B, VCCI Class B, AS/NZS 3548 Class B

Safety:
EN60950, UL 1950, CSA 22.2 No.950, IEC 60950

Functional:
ISO 8802/3

EEE 802.3i, 802.3u, 802.3ab*

Environmental:
EN60068 (IEC 68)

Packaging Contents:
3C16790, 3C16791, 3C16792, 3C1670500, 3C1670800, 3C1670108

- Installation guide
- Power adapter
- One-piece clipping system
- Rubber feet

Packaging Contents:
3C16793, 3C16794

- Installation guide
- Power adapter
- Rubber feet

OfficeConnect Dual Speed Switch 5 Plus (10BASE-T/100BASE-TX Switch) 3C16790

Connectors:
5 RJ-45 10BASE-T/100BASE-TX ports

Dimensions:

Width: 228 mm (9.1 in)
Height: 41.8 mm (1.6 in)
Depth: 135.4 mm (5.3 in)
Weight: 600 g (1.3 lb)
Power: 3.2W

OfficeConnect Dual Speed Switch 8 Plus (10BASE-T/100BASE-TX Switch) 3C16791

Connectors:
8 RJ-45 10BASE-T/100BASE-TX ports

Dimensions:
Width: 228 mm (9.1 in)
Height: 41.8 mm (1.6 in)
Depth: 135.4 mm (5.3 in)
Weight: 600 g (1.3 lb)
Power: 4.2W

OfficeConnect Dual Speed Switch 16 Plus (10BASE-T/100BASE-TX Switch) 3C16792

Connectors:
16 RJ-45 10BASE-T/
100BASE-TX ports

Dimensions:
Width: 228 mm (9.1 in)
Height: 60.6 mm (2.4 in)
Depth: 185.4 mm (7.3 in)
Weight: 1,000 g (2.2 lb)
Power: 11W

OfficeConnect Switch 5 (10BASE-T/100BASE-TX Switch) 3C16793

Connectors:
5 RJ-45 10BASE-T/100BASE-TX ports

Dimensions:
Width: 220 mm (8.7 in)
Height: 24.2 mm (1 in)
Depth: 135.4 mm (5.3 in)
Weight: 480 g (1.1 1b)
Power: 2.4W

OfficeConnect Switch 8 (10BASE-T/100BASE-TX Switch) 3C16794

Connectors:
8 RJ-45 10BASE-T/100BASE-TX ports

Dimensions:
Width: 220 mm (8.7 in)
Height: 24.2 mm (1 in)
Depth: 135.4 mm (5.3 in)
Weight: 535 g (1.3 lb)
Power: 3.7W

OfficeConnect Gigabit Switch 5 3C1670500

Connectors:
5 RJ-45 10BASE-T/
100BASE-TX/1000BASE-T ports

Dimensions:
Width: 228 mm (9.1 in)
Height: 60.6 mm (2.4 in)
Depth: 185.4 mm (7.3 in)
Weight: 1000 g (2.2 lb)
Power: 10.5W

OfficeConnect Gigabit Switch 8 3C1670800

Connectors:
8 RJ-45 10BASE-T/
100BASE-TX/1000BASE-T ports

Dimensions:
Width: 228 mm (9.1 in)
Height: 60.6 mm (2.4 in)
Depth: 185.4 mm (7.3 in)
Weight: 1,000 g (2.2 lb)
Power: 13.5W

OfficeConnect Switch 8 with Gigabit Uplink 3C1670108

Connectors:
8 RJ-45 10BASE-T/100BASE-TX ports
1 RJ-45 10BASE-T/
100BASE-TX/1000BASE-T port

Dimensions:
Width: 228 mm (9.1 in)
Height: 41.8 mm (1.6 in)
Depth: 135.4 mm (5.3 in)
Weight: 600 g (1.3 lb)
Power: 8.5W

Ordering Information

PRODUCT DESCRIPTION	SKU
OfficeConnect Dual Speed Switch 5 Plus	3C16790
OfficeConnect Dual Speed Switch 8 Plus	3C16791
OfficeConnect Dual Speed Switch 16 Plus	3C16792
OfficeConnect Switch 5	3C16793
OfficeConnect Switch 8	3C16794
OfficeConnect Gigabit Switch 5	3C1670500
OfficeConnect Gigabit Switch 8	3C1670800
OfficeConnect Switch 8 with Gigabit Uplink	3C1670108

3Com Corporation, Corporate Headquarters, 350 Campus Drive, Marlborough, MA 01752-3064

To learn more about 3Com solutions, visit www.3com.com. 3Com is publicly traded on NASDAQ under the symbol COMS.

Copyright © 2004 3Com Corporation. All rights reserved. 3Com and the 3Com logo are registered trademarks of 3Com Corporation. All other company and product names may be trademarks of their respective companies. While every effort is made to ensure the information given is accurate, 3Com does not accept liability for any errors or mistakes which may arise. Specifications and other information in this document may be subject to change without notice. 400720-007 09/04